

Comparisons of Job Characteristics

Focus Occupation: [Radiation Therapists \(29-1124\)](#)

Associated Occupation: [Nuclear Medicine Technologists \(29-2033\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Radiation Therapists (29-1124)

Associated Occupation: Nuclear Medicine Technologists (29-2033)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Customer and Personal Service	11.3	17.9	17.1	0	Current knowledge level may be sufficient
Mathematics	9.2	13.1	11.2	<	Expanded education and/or training may be required
Computers and Electronics	8.4	12.9	11.9	0	Current knowledge level may be sufficient
Medicine and Dentistry	3.7	12.9	14.3	>	Current knowledge level is likely sufficient
Biology	3.7	12.0	12.4	0	Current knowledge level may be sufficient
Chemistry	4.8	11.2	4.7	<<	Extensive education and/or training may be required
Physics	4.3	9.9	11.9	>	Current knowledge level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: Radiation Therapists (29-1124)

Associated Occupation: Nuclear Medicine Technologists (29-2033)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Science	4.5	10.1	8.1	<	A higher skill level may be required
Quality Control Analysis	5.9	8.1	9.7	>	Skill level is likely sufficient
Equipment Maintenance	3.5	5.9	6.7	>	Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 92

Focus Occupation: Radiation Therapists (29-1124)

Associated Occupation: Nuclear Medicine Technologists (29-2033)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Oral Comprehension	12.5	13.9	13.6	0	Current ability level may be sufficient
Oral Expression	12.4	13.3	12.5	0	Current ability level may be sufficient
Near Vision	11.1	12.6	11.2	<	Some improvement in abilities may be required
Information Ordering	9.9	11.5	11.9	0	Current ability level may be sufficient
Written Comprehension	11.0	11.1	12.0	0	Current ability level may be sufficient
Problem Sensitivity	11.1	10.8	13.9	>>	Current ability level is likely more than sufficient
Speech Recognition	9.9	10.7	10.8	0	Current ability level may be sufficient
Written Expression	9.8	10.5	10.6	0	Current ability level may be sufficient
Dynamic Strength	3.5	5.4	4.5	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 97

Focus Occupation: Radiation Therapists (29-1124)

Associated Occupation: Nuclear Medicine Technologists (29-2033)

Work Activities	Exclusivity of Activity
Administer injections	60
Administer radioactive isotopes	95
Calculate radiation dosage, following physician's prescription	95
Collect clinical data	56
Communicate technical information	4
Follow clinical radiation safety procedures	77
Follow patient care procedures	60
Make presentations on health or medical issues	50
Observe patient condition	48
Prepare radioactive isotopes for therapeutic applications	99
Understand technical operating, service or repair manuals	6
Use knowledge of medical terminology	40
Use sanitation practices in health care settings	48

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 87

Focus Occupation: Radiation Therapists (29-1124)
Associated Occupation: Nuclear Medicine Technologists (29-2033)

Tools and Technologies	Exclusivity
Computers	1
Content authoring and editing software	1
Dosimetry equipment	43
Emergency medical services resuscitation products	15
Indicating and recording instruments	2
Industry specific software	1
Medical computed tomography CT or CAT systems and related products	27
Medical imaging processing equipment and supplies	33
Medical linear accelerator intensity modulated radiation therapy IMRT products	80
Medical positron emission tomography PET equipment and related products	56
Medical radiation detection or monitoring products	31
Medical radiological positioning aids	47
Medical radiological shielding and protection products	31
Medical ultrasound and doppler and echo imaging products	19
Vision protection and accessories	3

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.